

## [54] STACTOMETRIC APPARATUS

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## [56] References Cited

## U.S. PATENT DOCUMENTS

- |           |         |         |                   |
|-----------|---------|---------|-------------------|
| 3,163,176 | 12/1964 | Darling | ..... 137/487.5   |
| 3,656,478 | 4/1972  | Swersey | ..... 128/214 E   |
| 3,769,497 | 10/1973 | Frank   | ..... 235/92 FL   |
| 4,037,598 | 7/1977  | Georgi  | ..... 128/214 E   |
| 4,063,077 | 12/1977 | Wright  | ..... 235/92 FL X |

4,137,940 2/1979 Faisandier ..... 137/486  
4,181,130 1/1980 Bailey ..... 128/214 E

## OTHER PUBLICATIONS

Montgomery Ward Catalog, "On Spring and Summer Stock", of 5/1978, p. 42, Mont. Ward, Chicago, IL 60607.

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## [57] ABSTRACT

A counter counts the time intervals of falling instilled drops in response to a signal issued each time a falling instilled drop is detected. A memory is supplied with data representing the quantities of a falling instilled drop corresponding to the time intervals at which the drops fall. The data corresponding to the time intervals thereof which have been counted by the counter are read out of the memory. The data thus read out are accumulated to determine the total quantities of the drops.

8 Claims, 5 Drawing Figures

